

Title (en)

Electric toothbrush and tool head for such toothbrush

Title (de)

Elektrische Zahnbürste und Werkzeugkopf für eine derartige Zahnbürste

Title (fr)

Brosse à dents électrique et tête d'outil pour une telle brosse à dents

Publication

EP 2881081 A1 20150610 (EN)

Application

EP 13195584 A 20131204

Priority

EP 13195584 A 20131204

Abstract (en)

A tool head for an electric toothbrush has at least one tool carrier movably supported on a base part by means of a bearing device. The bearing device includes rotational support means for rotatably supporting the tool carrier about an axis of movement and axial support means for axially movably supporting the tool carrier along the axis of movement, and drive means for driving the tool carrier in an oscillating manner to rotationally oscillate about said axis of movement and to axially oscillate along said axis of movement. The drive means include a cam surface for transforming a rotation of said tool carrier into axial movement of the tool carrier relative to the base part along the axis of movement.

IPC 8 full level

A61C 17/34 (2006.01)

CPC (source: EP US)

A61C 17/222 (2013.01 - US); **A61C 17/3436** (2013.01 - EP US); **A61C 17/3445** (2013.01 - US); **A61C 17/3463** (2013.01 - EP US)

Citation (search report)

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- [X] JP H07163420 A 19950627 - NAKANISHI SHIKA KIKAI SEISAKUS
- [I] US 4420851 A 19831220 - WIENER STANLEY M [US]
- [A] US 5404608 A 19950411 - HOMMANN EDGAR [CH]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2881081 A1 20150610; US 2015150662 A1 20150604; WO 2015083022 A1 20150611

DOCDB simple family (application)

EP 13195584 A 20131204; IB 2014066161 W 20141119; US 201414552032 A 20141124